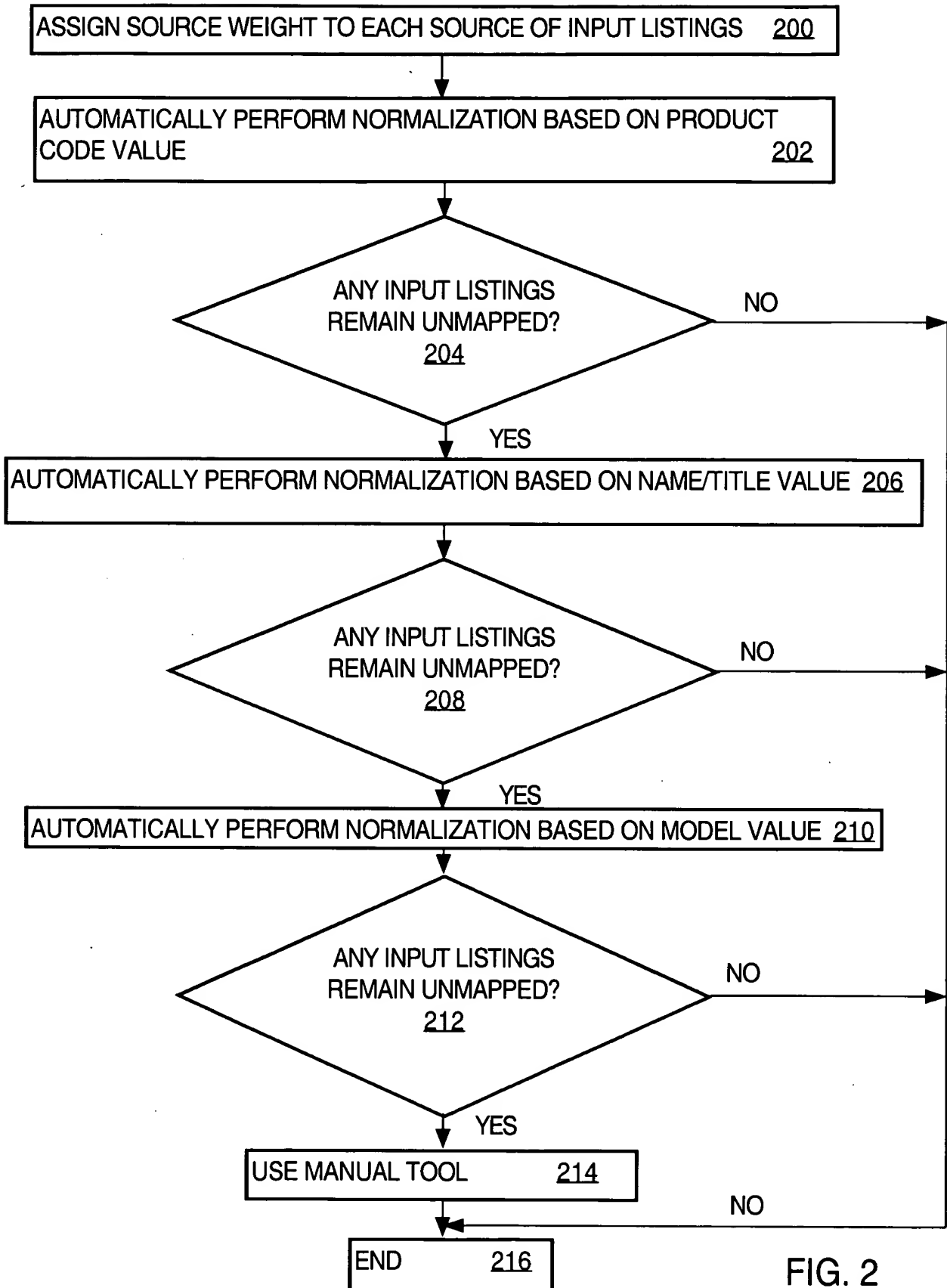


FIG. 1



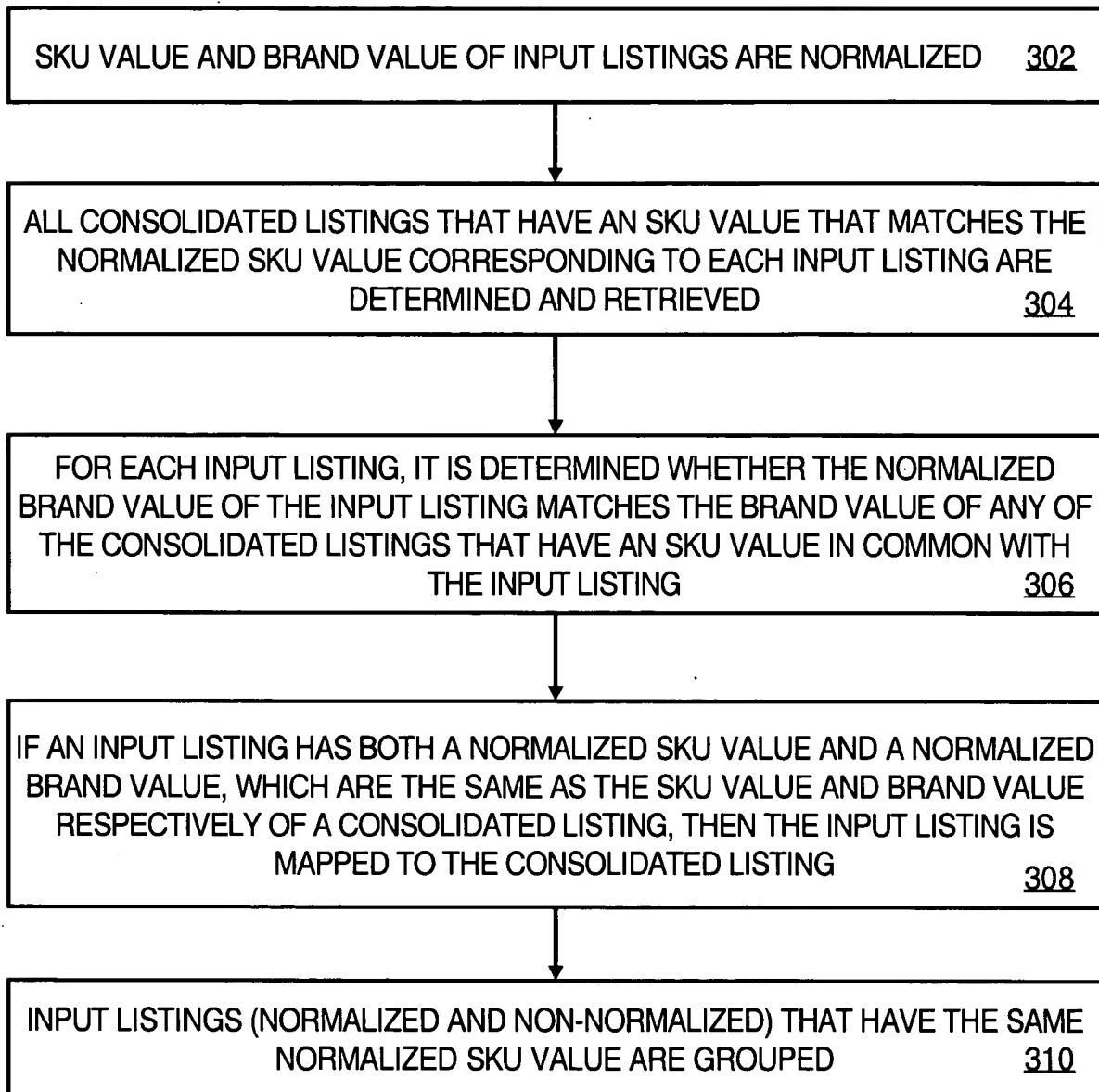


FIG. 3A

IT IS DETERMINED WHICH GROUPS FROM BLOCK 310 HAVE AT LEAST ONE INPUT LISTING THAT HAS NOT BEEN MAPPED TO A CONSOLIDATED LISTING 320

IN EACH GROUP THAT HAS AT LEAST ONE INPUT LISTING THAT HAS NOT BEEN MAPPED TO A CONSOLIDATED LISTING, SUB-GROUPS THAT HAVE THE SAME NORMALIZED BRAND VALUE ARE DETERMINED 322

IN EACH SUB-GROUP, IT IS DETERMINED WHETHER THERE ARE ANY NORMALIZED INPUT LISTINGS 324

IF IT IS DETERMINED THAT THERE ARE ANY NORMALIZED INPUT LISTINGS IN A SUB-GROUP AND IF THE NORMALIZED INPUT LISTINGS IN THE SUB-GROUP MAP TO THE SAME CONSOLIDATED LISTING, THEN ALL THE NON-NORMALIZED INPUT LISTINGS IN THE SUB-GROUP ARE NORMALIZED BY MAPPING THE NON-NORMALIZED INPUT LISTINGS IN THE SUB-GROUP TO THE CONSOLIDATED LISTING 326

IF THE NORMALIZED INPUT LISTINGS IN THE SUB-GROUP MAP TO DIFFERENT CONSOLIDATED LISTINGS, THEN THE INPUT LISTINGS IN THE SUB-GROUP ARE SET ASIDE FOR DEFERRED ANALYSIS 328

IF THERE ARE NO NORMALIZED INPUT LISTINGS IN THE SUB-GROUP, THEN A NEW CONSOLIDATED LISTING IS CREATED AND THE INPUT LISTINGS IN THE SUB-GROUP ARE MAPPED TO THE NEW CONSOLIDATED LISTING 330

FIG. 3B

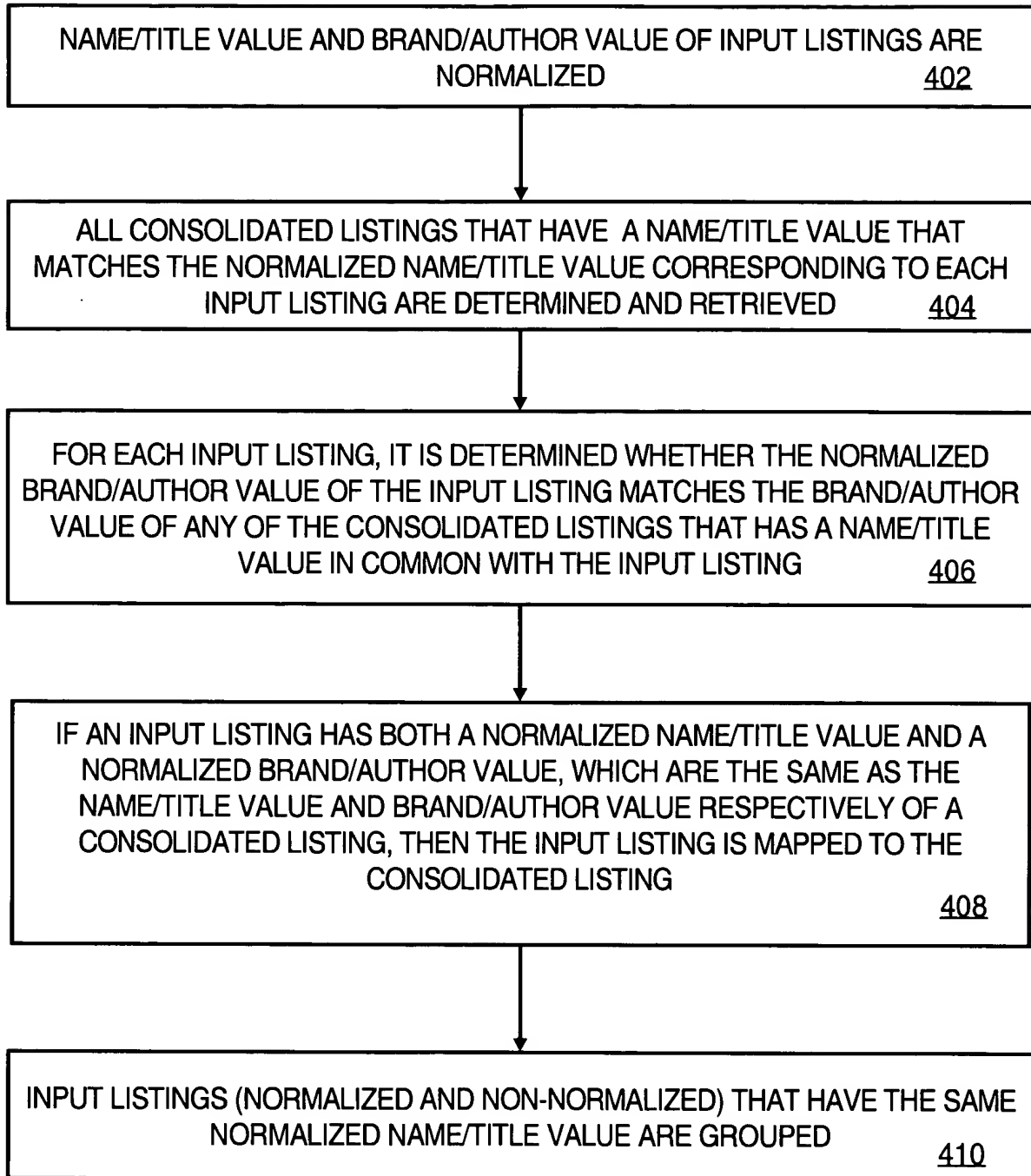


FIG. 4A

IT IS DETERMINED WHICH GROUPS FROM BLOCK 410 HAVE AT LEAST ONE INPUT LISTING THAT HAS NOT BEEN MAPPED TO A CONSOLIDATED LISTING

420

IN EACH GROUP THAT HAS AT LEAST ONE INPUT LISTING THAT HAS NOT BEEN MAPPED TO A CONSOLIDATED LISTING, SUB-GROUPS THAT HAVE THE SAME NORMALIZED BRAND/AUTHOR VALUE ARE DETERMINED

422

IN EACH SUB-GROUP, IT IS DETERMINED WHETHER THERE ARE ANY NORMALIZED INPUT LISTINGS

424

IF IT IS DETERMINED THAT THERE ARE ANY NORMALIZED INPUT LISTINGS IN A SUB-GROUP AND IF THE NORMALIZED INPUT LISTINGS IN THE SUB-GROUP MAP TO THE SAME CONSOLIDATED LISTING, THEN ALL THE NON-NORMALIZED INPUT LISTINGS IN THE SUB-GROUP ARE NORMALIZED BY MAPPING THE NON-NORMALIZED INPUT LISTINGS IN THE SUB-GROUP TO THE CONSOLIDATED LISTING

426

IF THE NORMALIZED INPUT LISTINGS IN THE SUB-GROUP MAP TO DIFFERENT CONSOLIDATED LISTINGS, THEN THE INPUT LISTINGS IN THE SUB-GROUP ARE SET ASIDE FOR DEFERRED ANALYSIS

428

IF THERE ARE NO NORMALIZED INPUT LISTINGS IN THE SUB-GROUP, THEN A NEW CONSOLIDATED LISTING IS CREATED AND THE INPUT LISTINGS IN THE SUB-GROUP ARE MAPPED TO THE NEW CONSOLIDATED LISTING

430

FIG. 4B

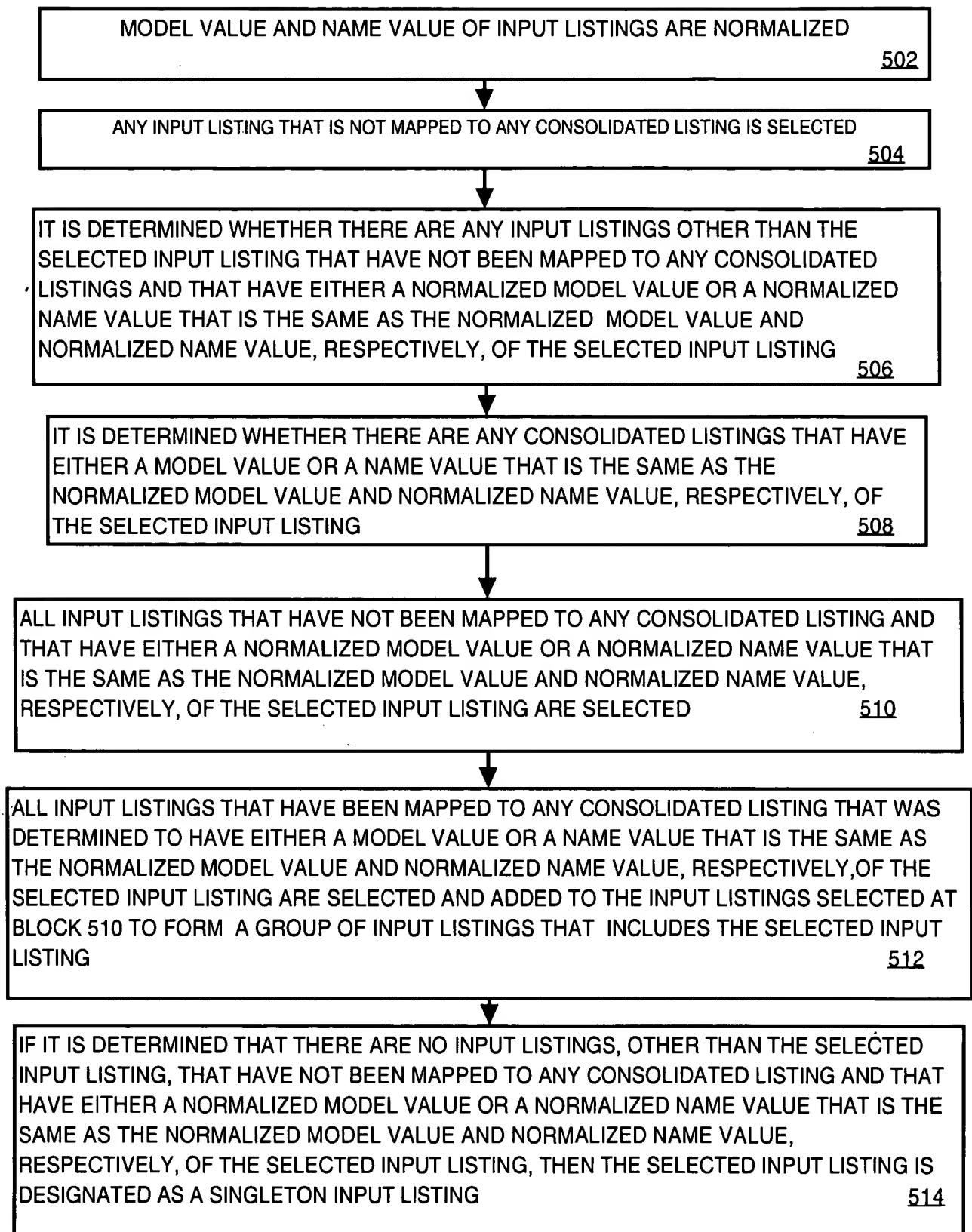


FIG. 5A

A CORRELATION TEST IS PERFORMED BETWEEN THE INPUT LISTINGS IN THE GROUP OF INPUT LISTINGS THAT WAS FORMED AT BLOCK 512 OF FIG. 5A 520

IF ALL THE INPUT LISTINGS IN THE GROUP PASS THE CORRELATION TEST, THEN IT IS DETERMINED WHETHER THERE WAS MORE THAN ONE CONSOLIDATED LISTING THAT EITHER HAS A MODEL VALUE OR A NAME VALUE THAT IS THE SAME AS THE NORMALIZED MODEL VALUE OR NORMALIZED NAME VALUE, RESPECTIVELY, OF THE SELECTED INPUT LISTING AND WHOSE INPUT LISTINGS HAD BEEN ADDED TO THE GROUP 522

IF IT IS DETERMINED THAT THERE WAS MORE THAN ONE CONSOLIDATED LISTING, THEN THE MULTIPLE CONSOLIDATED LISTINGS ARE MERGED INTO A SINGLE MERGED CONSOLIDATED LISTING AND ALL THE LISTINGS IN THE GROUP ARE MAPPED TO THE MERGED CONSOLIDATED LISTING 524

IF THERE WAS ONLY ONE CONSOLIDATED LISTING, THEN ALL THE INPUT LISTINGS IN THE GROUP ARE MAPPED TO THE SINGLE CONSOLIDATED LISTING 526

IF THERE WAS NO CONSOLIDATED LISTING, THEN A NEW CONSOLIDATED LISTING IS CREATED AND ALL THE LISTINGS IN THE GROUP ARE MAPPED TO THE NEW CONSOLIDATED LISTING 528

IF NOT ALL THE INPUT LISTINGS IN THE GROUP OF INPUT LISTINGS PASS THE CORRELATION TEST, THEN ALL THE INPUT LISTINGS IN THE GROUP OF INPUT LISTINGS ARE SET ASIDE FOR DEFERRED ANALYSIS 530

FIG. 5B



FIG. 6

